## WHAT IS CLAIMED IS:

## 1. A compound of Formula I:

wherein

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10 R<sup>1</sup> is selected from 1) substituted or unsubstituted C<sub>1</sub>-C<sub>10</sub> alkyl, 2) substituted or unsubstituted aryl, 3) substituted or unsubstituted heterocyclyl, and 4) substituted or unsubstituted C<sub>3</sub>-C<sub>10</sub> cycloalkyl;

R<sup>2</sup> is selected from 1) halogen, 2) substituted or unsubstituted C<sub>1</sub>-C<sub>10</sub> alkyl, 3) substituted or unsubstituted C<sub>2</sub>-C<sub>10</sub> alkynyl, 4) substituted or unsubstituted phenyl, and 5) substituted or unsubstituted heterocyclyl selected from pyridyl, benzofuranyl, isoxazolyl, furyl, pyrrolyl, and thienyl; said alkyl, alkynyl, phenyl, and heterocyclyl is optionally substituted with one or more of R<sup>3</sup>;

 $R^3$  is independently selected from 1) halogen, 2)  $-OR^4$ , 3) substituted or unsubstituted  $C_1$ - $C_{10}$  alkyl, 4) substituted or unsubstituted  $C_3$ - $C_{10}$  cycloalkyl, 5) substituted or unsubstituted aryl, 6) substituted or unsubstituted aralkyl, 7) substituted or unsubstituted heterocyclyl, 8)  $-C(O)R^4$ , 9)  $-C(O)OR^4$ , 10) -CN, and 11)  $-NO_2$ ;

R<sup>4</sup> is independently selected from 1) hydrogen, 2) substituted or unsubstituted C<sub>1</sub>-C<sub>10</sub> alkyl, 3) substituted or unsubstituted C<sub>2</sub>-C<sub>10</sub> alkenyl, 4) substituted or unsubstituted C<sub>2</sub>-C<sub>10</sub> alkynyl, 5) substituted or unsubstituted aryl, and 6) substituted or unsubstituted heterocyclyl;

or a pharmaceutically acceptable salt or stereoisomer thereof.

## 2. The compound according to Claim 1,

30 wherein

R<sup>1</sup> is substituted or unsubstituted C<sub>1</sub>-C<sub>6</sub> alkyl;

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R<sup>2</sup> is selected from 1) halogen, 2) substituted or unsubstituted C<sub>2</sub>-C<sub>10</sub> alkynyl, 3) substituted or unsubstituted phenyl, and 4) substituted or unsubstituted heterocyclyl selected from pyridyl, benzofuranyl, isoxazolyl, furyl, pyrrolyl, and thienyl;

said alkynyl, phenyl, and heterocyclyl is optionally substituted with one or more of R3;

or a pharmaceutically acceptable salt or stereoisomer thereof.

3. The compound according to Claim 2,

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R<sup>2</sup> is halogen;

or a pharmaceutically acceptable salt or stereoisomer thereof.

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## 4. A compound selected from

tert-butyl 3-ethyl-5-formyl-4-iodo-1H-pyrrole-2-carboxylate; tert-butyl 3-ethyl-5-formyl-4-(pyridin-2-ylethynyl)-1H-pyrrole-2-carboxylate; tert-butyl 3-ethyl-5-formyl-4-(6-methoxypyridin-2-yl)-1H-pyrrole-2-carboxylate; 20 tert-butyl 4-(1-benzofuran-2-yl)-3-ethyl-5-formyl-1H-pyrrole-2-carboxylate; tert-butyl 4-(3,5-dimethylisoxazol-4-yl)-3-ethyl-5-formyl-1H-pyrrole-2-carboxylate; tert-butyl 4-(4-fluorophenyl)-3-ethyl-5-formyl-1H-pyrrole-2-carboxylate; tert-butyl 4-(4-chlorophenyl)-3-ethyl-5-formyl-1H-pyrrole-2-carboxylate; 25 tert-butyl 3-ethyl-5-formyl-4-(5-formyl-2-furyl)-1H-pyrrole-2-carboxylate; tert-butyl 3-ethyl-5-formyl-4-phenyl-1H-pyrrole-2-carboxylate; di(tert-butyl) 4'-ethyl-2'-formyl-1H,1'H-2,3'-bipyrrole-1,5'-dicarboxylate; tert-butyl 3-ethyl-5-formyl-4-(2-formylthien-3-yl)-1H-pyrrole-2-carboxylate; tert-butyl 4-(4-cyanophenyl)-3-ethyl-5-formyl-1H-pyrrole-2-carboxylate; ethyl 3-ethyl-5-formyl-4-methyl-1H-pyrrole-2-carboxylate; 30 ethyl 3.4-diethyl-5-formyl-1H-pyrrole-2-carboxylate; tert-butyl 3-ethyl-5-formyl-4-(4-nitrophenyl)-1H-pyrrole-2-carboxylate; tert-butyl 3-ethyl-5-formyl-4-[4-(methoxycarbonyl)phenyl]-1H-pyrrole-2-carboxylate; tert-butyl 4-(2-cyanophenyl)-3-ethyl-5-formyl-1H-pyrrole-2-carboxylate; 35 tert-butyl 4-(3-cyanophenyl)-3-ethyl-5-formyl-1H-pyrrole-2-carboxylate;

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tert-butyl 4-(3-chlorophenyl)-3-ethyl-5-formyl-1H-pyrrole-2-carboxylate;
tert-butyl 4-(2,6-difluorophenyl)-3-ethyl-5-formyl-1H-pyrrole-2-carboxylate;
tert-butyl 3-ethyl-5-formyl-4-(5-methyl-2-furyl)-1H-pyrrole-2-carboxylate;
tert-butyl 3-ethyl-5-formyl-4-(4-methylphenyl)-1H-pyrrole-2-carboxylate;
tert-butyl 3-ethyl-5-formyl-4-(3-methylphenyl)-1H-pyrrole-2-carboxylate;
tert-butyl 3-ethyl-5-formyl-4-thien-3-yl-1H-pyrrole-2-carboxylate;
tert-butyl 3-ethyl-5-formyl-4-thien-2-yl-1H-pyrrole-2-carboxylate;
tert-butyl 3-ethyl-5-formyl-4-(4-methoxyphenyl)-1H-pyrrole-2-carboxylate;
tert-butyl 3-ethyl-5-formyl-4-(3-methoxyphenyl)-1H-pyrrole-2-carboxylate;
tert-butyl 3-ethyl-5-formyl-4-(2-methoxyphenyl)-1H-pyrrole-2-carboxylate;

or a pharmaceutically acceptable salts or stereoisomer thereof.

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5. The compound according to Claim 4 that is tert-butyl 3-ethyl-5-formyl-4-iodo-1H-pyrrole-2-carboxylate

or a pharmaceutically acceptable salt or stereoisomer thereof.

6. The compound according to Claim 4 that is

tert-butyl 3-ethyl-5-formyl-4-phenyl-1H-pyrrole-2-carboxylate

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or a pharmaceutically acceptable salt or stereoisomer thereof.

7. The compound according to Claim 4 that is

tert-butyl 3-ethyl-5-formyl-4-(2-formylthien-3-yl)-1H-pyrrole-2-carboxylate

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or a pharmaceutically acceptable salt or stereoisomer thereof.

8. The compound according to Claim 4 that is

10 tert-butyl 4-(2-cyanophenyl)-3-ethyl-5-formyl-1H-pyrrole-2-carboxylate

or a pharmaceutically acceptable salt or stereoisomer thereof.

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9. The compound according to Claim 4 that is

tert-butyl 4-(2,6-difluorophenyl)-3-ethyl-5-formyl-1H-pyrrole-2-carboxylate

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or a pharmaceutically acceptable salt or stereoisomer thereof.

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10. A pharmaceutical composition which is comprised of a compound in accordance with Claim 1 and a pharmaceutically acceptable carrier.

- 11. A method of modulating the catalytic activity of protein kinases in a mammal in
   5 need thereof comprising contacting the protein kinase with a compound of Claim 1.
  - 12. The method of Claim 11 wherein the protein kinase is an RTK.
  - 13. The method of Claim 12, wherein the RTK is selected from IR, IGF-1R and IRR.
  - 14. A method of treating a PK-related disorder in a mammal in need thereof comprising administering to said mammal a therapeutically effective amount of a compound of Claim 1.
- 15. A method of Claim 14, wherein the PK-related disorder is an IGF-1R-related disorder selected from: 1) cancer, 2) diabetes, 3) an autoimmune disorder, 4) a hyperproliferation disorder, 5) aging, 6) acromegaly, and 7) Crohn's disease.

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- 16. A method of preventing a PK-related disorder in a mammal in need thereof comprising administering to said mammal a therapeutically effective amount of a compound of Claim 1.
- 17. A method of Claim 16, wherein the PK-related disorder is an IGF-1R-related disorder selected from: 1) cancer, 2) diabetes, 3) an autoimmune disorder, 4) a hyperproliferation disorder, 5) aging, 6) acromegaly, and 7) Crohn's disease.
- 18. A method of treating cancer in a mammal in need of such treatment comprising administering to said mammal a therapeutically effective amount of a compound of Claim 1.
  - 19. A method of treating retinal vascularization comprising administering to a mammal in need of such treatment a therapeutically effective amount of a compound of Claim 1.